

WERT MANUFACTURING CO.

Builders of Concrete Brick and Block Manufacturing Machines

TELEPHONE:
HARRISON 7811

Railway Exchange Building
CHICAGO, ILL.

Products.

"PERFECT" CONCRETE MACHINERY comprising "PERFECT" BRICK MACHINES and "PERFECT" BLOCK MACHINES, power or hand driven.

Also manufacturers of Well, Cistern and Silo Moulds.

"Perfect" Concrete Machinery.

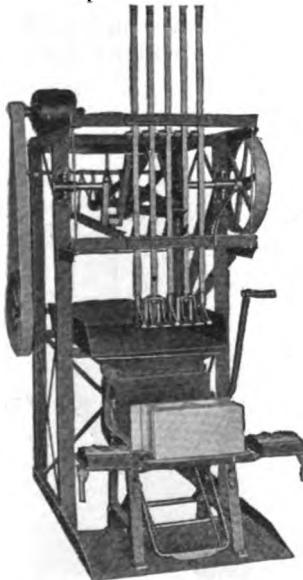
"Perfect" concrete machinery is the result of twenty years of experimenting, designing and building machines for the making of concrete products, by C. S. Wert, the inventor. Thousands are now in use. These machines also can be used as well in the manufacture of lime-sand brick or lime-cement-sand brick. If sufficient cement is not available, it is practicable to use a large proportion of lime as a binder. The product stands fire far better than clay brick and gives superior results under all mechanical tests.

Construction and Mechanical Advantages—
"Perfect" concrete machines are made of the best grade iron and steel, wrought and cast, machined and assembled with the highest degree of accuracy. The quality of concrete products is dependent, to a great extent, on the precision of the machine in which they are made. "Perfect" machines are built to stand the "gaff" and severe strain imposed on them.

One of the advantages over machines of other manufacture is the absence of all gears and chains. In a concrete machine, where sand, gravel or crushed stone is employed, the use of gears means trouble, in that these materials cause wear and replaced parts. Chains also invite difficulty by breakage.

All products are made face down. This permits the use of a richer or decorative material on the face of the product. Variations in texture and color can be

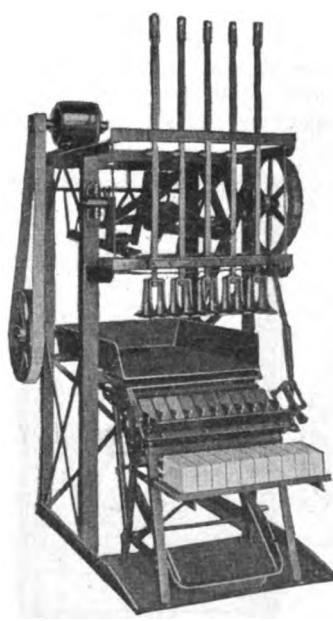
obtained by various combinations of differently colored aggregates. Architecturally beautiful results are possible in this way. Although brick are made face down, they are delivered face up, ten at once. The advantages of this method can readily be seen.



NEW MODEL "A" "PERFECT"
BLOCK MACHINE WITH
POWER



"PERFECT" BRICK
MACHINE, HAND
OPERATED



MODEL "B" "PERFECT" CON-
CRETE BRICK MACHINE
WITH POWER

Power machines are equipped with a movable hopper that functions in two ways. It trowels the brick or block as it moves back, after the tamping and moves the surplus material back on the rear platform to be used in the next operation.

Each unit is of uniform quality and is individually tamped with force of 380 lbs.

"Perfect" machines are economically operated. Other elaborate and complicated machines require at least 5 h.p., whereas these machines can be operated with a 1 h.p. motor, a 2½ h.p. gas engine, or direct from line shaft. Also, are extremely light and portable. They can be assembled and ready for operation almost as soon as they arrive. Thus, products can be made on the job as well as in the plant.

Production—In actual tests, model "B" brick machine and power tamper with four men have manufactured 16,000 to 20,000 brick in 10 hours. Block machines with power tampers have turned out 1,000 to 1,200 blocks in the same length of time.

The brick moulds cast brick of U. S. Standard size 2½ by 3½ by 8 in.; also a special size 2½ by 5½ by 10½ in. Block moulds cast blocks, 8 by 8 by 16 in. and numerous variations.

Guarantee and Service—All parts proving defective within one year will be replaced free of charge. All parts guaranteed against wear for five years.

To contractors, building material companies, structural and concrete concerns, "Perfect" concrete machinery offers an industry that pays immediate returns, and is especially interesting to gravel and stone companies.

This company is in a position to give sketches showing the most efficient layout for a plant, allowing for growth and additional machinery. It can advise on technical difficulties and recommend suitable materials, correct proportioning and processes that have proved good in practice.